In The Specification

Please amend paragraph 0018 as follows:

0018 Fig. 6 Figs. 6A-6C illustrates a control strategy using the present invention.

Please amend paragraph 0051 as follows:

The possible control strategy for the controller of the present invention is illustrated in Figure 6 Figures 6A-6C. It can be housed within the VSC 38. Many other control strategies using the present invention are possible. This strategy can start and end with each drive cycle (i.e., between "key-on" and "key-off"). In Figure 6 Figures 6A-6C, the illustrated embodiment starts at Step 60 and determines whether the vehicle controller outputs have been initialized (Outputs Initialized). Here, the outputs need to be initialized, given a known value, the first time through the algorithm after startup to ensure that the outputs are not set to an unwanted state by the power-up sequence of the controller. If yes, the strategy proceeds to step 62. If no, the strategy proceeds to step 64 and commands "Initialize Outputs" including: Clutch Position Cmd = Disengaged and Fuel Engine Cmd = False. The strategy proceeds next to step 66 and commands Outputs_ Initialized = True and proceeds to step 62. Once initialized in

the first pass through the algorithm, subsequent output values are determined by the algorithm. As described above, the Clutch_Position Cmd, for this step could be an eight-bit integer > 0.85.

Please amend paragraph 0052 as follows:

0052 At step 62 the strategy is commanded to read various vehicle inputs such as other VSC 38 commands and inputs various vehicle sensor outputs. In the illustration presented in Figure 6 Figures 6A-6C, the following examples are included: Crank Engine Cmd, Engine Speed, Motor Speed, Braking_Logic, Clutch Position Actual, and Fuel Engine Request. These examples represent various inputs that would be necessary to smoothly transition a clutch 22 between engaged and disengaged states. Crank Engine Cmd alerts the strategy whether the engine 20 has been commanded by the VCS 38 to start. Engine Speed can originate from an engine 20 speed sensor well known in the art. Similarly, Motor Speed can originate from a starter/motor 24 speed sensor known in the art. The difference in Engine_Speed and Motor Speed can be used to determine actual clutch 22 slippage (see below). If a mechanical braking means such as a brake pedal 44 is depressed and a vehicle accelerator means such as an accelerator pedal is NOT depressed, then Braking Logic = True. Otherwise, Braking Logic = False. Accelerator pedal position is detected by the accelerator position sensor 46. The

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Clutch_Position_Actual is the actual position of the clutch 22 in terms of engagement and disengagement sensed by a clutch 22 position sensor. The Fuel_Engine_Request is a VSC 38 command the controller of the present invention can use to indicate whether the engine 20 is running.